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TECH CENTER 1600/2900

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/004,381

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1653

DATE: 04/30/2002  
TIME: 13:55:44

PFF

Input Set : A:\00786.388002.SEQLIST.TXT  
Output Set: N:\CRF3\04302002\J004381.raw

4 <110> APPLICANT: SZOSTAK, JACK W.  
 5 WILSON, DAVID S.  
 6 KEEFE, ANTHONY D.  
 8 <120> TITLE OF INVENTION: STREPTAVIDIN-BINDING PEPTIDES AND USES  
 9 THEREOF  
 11 <130> FILE REFERENCE: 00786/388002  
 13 <140> CURRENT APPLICATION NUMBER: US 10/004,381  
 14 <141> CURRENT FILING DATE: 2001-10-31  
 16 <150> PRIOR APPLICATION NUMBER: US 60/244,541  
 17 <151> PRIOR FILING DATE: 2000-10-31  
 19 <160> NUMBER OF SEQ ID NOS: 41  
 21 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
 23 <210> SEQ ID NO: 1  
 24 <211> LENGTH: 101  
 25 <212> TYPE: PRT  
 26 <213> ORGANISM: Artificial Sequence  
 28 <220> FEATURE:  
 29 <223> OTHER INFORMATION: selected peptide  
 31 <400> SEQUENCE: 1  
 32 Met Asp Glu Lys Thr His Cys Thr Ile Ser Met Asn Gly Ala Val Pro  
 33 1 5 10 15  
 34 Leu Val Pro His His His Pro Gln Gly Asp Pro Leu Arg Leu Leu His  
 35 20 25 30  
 36 Arg Pro Gln Pro Ala Leu Leu Val Arg His Pro Gln Gly Asp Leu Val  
 37 35 40 45  
 38 Ala Leu Val Glu His His Glu Gly Val Asp Arg Gly Leu Val Ala Leu  
 39 50 55 60  
 40 Pro Glu Leu His Ala Glu Glu Leu Gly Glu Pro Val Gly Asp Leu Val  
 41 65 70 75 80  
 42 Gln Gly Pro Val Glu Gln Val Gln Gly Val Val Asp Ala Leu Val Trp  
 43 85 90 95  
 44 Arg Leu Pro Pro Ser  
 45 100  
 48 <210> SEQ ID NO: 2  
 49 <211> LENGTH: 101  
 50 <212> TYPE: PRT  
 51 <213> ORGANISM: Artificial Sequence  
 53 <220> FEATURE:  
 54 <223> OTHER INFORMATION: selected peptide  
 56 <400> SEQUENCE: 2  
 57 Met Asp Glu Lys Thr His Cys Phe His Pro Gly Asp His Leu Val Arg  
 58 1 5 10 15  
 59 Leu Val Glu Glu Leu Gln Ala Leu Ala Glu Gly Leu Gln Arg Gln Gly

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60 20 25 30  
61 Gly Arg Gln Pro His Arg Leu Pro Arg Arg Arg Pro His His Leu Gln  
62 35 40 45  
63 Leu Leu Leu Asp Glu Ala His Pro Gln Ala Gly Pro Leu Arg Glu Arg  
64 50 55 60  
65 Ala His Gln Val Asp Gly Arg Leu Leu Leu Gln His His Pro Gln Gly  
66 65 70 75 80  
67 Asp Arg Leu Leu Gln Gln Pro Gln Asp His Pro Leu Glu Leu Val Trp  
68 85 90 95  
69 Arg Leu Pro Pro Ser  
70 100  
73 <210> SEQ ID NO: 3  
74 <211> LENGTH: 101  
75 <212> TYPE: PRT  
76 <213> ORGANISM: Artificial Sequence  
78 <220> FEATURE:  
79 <223> OTHER INFORMATION: selected peptide  
81 <400> SEQUENCE: 3  
82 Met Thr Arg Arg Pro Thr Ala Ser Ser Ser Cys Val Arg His Leu  
83 1 5 10 15  
84 Leu Leu Arg Gln Gly Glu His Gly His Gln Ala Leu Glu Asp Arg Asp  
85 20 25 30  
86 Lys Ala Arg His Val Arg Leu Val Glu Gly Asp Val Glu Val Leu Gly  
87 35 40 45  
88 Gly Leu Asp Arg Leu Ala Arg Ala Arg His Glu Ala Leu His Pro Gln  
89 50 55 60  
90 Ala Gly Leu Val His Leu Pro Leu His Gly Gly Asp Leu Gly Gly His  
91 65 70 75 80  
92 Leu Arg Leu Val Leu Glu Ala His Pro Gln Gly Asp Arg Leu Gly Leu  
93 85 90 95  
94 Ala Val His His His  
95 100  
98 <210> SEQ ID NO: 4  
99 <211> LENGTH: 102  
100 <212> TYPE: PRT  
101 <213> ORGANISM: Artificial Sequence  
103 <220> FEATURE:  
104 <223> OTHER INFORMATION: selected peptide  
106 <400> SEQUENCE: 4  
107 Met Asp Glu Lys Thr His Trp Gly Ile Ser Thr Trp Arg Gly Glu Pro  
108 1 5 10 15  
109 Leu Leu His His Pro Gln Ala Gly Arg Leu Pro Leu Asp Arg Arg Arg  
110 20 25 30  
111 Ala Arg His Arg Arg Ile Leu Gly Ala Glu Pro Gly Gly Val Asp His  
112 35 40 45  
113 Gly Leu Arg Leu Glu Leu Leu Asp Asp His Arg Pro Leu Val Pro Asp  
114 50 55 60  
115 His His Pro Gln Arg Gly Pro Leu Gln Arg Gly Asp Leu Pro Gln Val  
116 65 70 75 80

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117 Val Pro Leu Val Arg Leu Arg His Ala His Val Leu Gly Leu Gly Leu  
118 85 90 95  
119 Ala Ala Ala Thr Ile Thr  
120 100  
123 <210> SEQ ID NO: 5  
124 <211> LENGTH: 102  
125 <212> TYPE: PRT  
126 <213> ORGANISM: Artificial Sequence  
128 <220> FEATURE:  
129 <223> OTHER INFORMATION: selected peptide  
131 <400> SEQUENCE: 5  
132 Met Asp Glu Lys Thr His Trp Val Asn Val Tyr His Pro Gln Gly Asp  
133 1 5 10 15  
134 Leu Leu Val Arg Gly His Gly His Asp Val Glu Ala Leu His Asp Gln  
135 20 25 30  
136 Gly Leu His Gln Leu Asp Leu Leu Val Gly Pro Pro Pro Glu Val Val  
137 35 40 45  
138 Arg Ala Leu Arg Gly Glu Val Leu Gly Gly Leu Arg Arg Leu Val Pro  
139 50 55 60  
140 Leu Asp His Pro Gln Gly Glu Ala Leu Asp Gln Ala Arg Gln Arg Pro  
141 65 70 75 80  
142 Gln His Leu Leu Glu Leu His His Arg Ala Leu Pro Pro Ala Leu Val  
143 85 90 95  
144 Trp Arg Leu Pro Pro Ser  
145 100  
148 <210> SEQ ID NO: 6  
149 <211> LENGTH: 102  
150 <212> TYPE: PRT  
151 <213> ORGANISM: Artificial Sequence  
153 <220> FEATURE:  
154 <223> OTHER INFORMATION: selected peptide  
156 <400> SEQUENCE: 6  
157 Met Asp Glu Lys Thr His Trp Leu Asn Asn Phe Glu Glu Leu Leu Ala  
158 1 5 10 15  
159 Arg Leu Asp Gly Leu Arg Glu Gly Glu Asp His Pro Leu Val Leu Arg  
160 20 25 30  
161 His His Pro Gln Gly Asp Gly Leu Leu Asp Gln Pro Leu Gly Arg His  
162 35 40 45  
163 Arg Ala Leu Asp Gly Glu Val Arg Glu Gly Asp Arg Pro Leu Asp Gln  
164 50 55 60  
165 Gly Gly Glu Glu Asp Leu Gly Ala Leu Val Asp Asp Asp Gly Glu Val  
166 65 70 75 80  
167 Leu Asp Gly Leu Val His Val Gly Val His Val His Asp Pro Leu Val  
168 85 90 95  
169 Cys Gly Cys His His His  
170 100  
173 <210> SEQ ID NO: 7  
174 <211> LENGTH: 101  
175 <212> TYPE: PRT

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176 <213> ORGANISM: Artificial Sequence  
178 <220> FEATURE:  
179 <223> OTHER INFORMATION: selected peptide  
181 <400> SEQUENCE: 7  
182 Met Asp Glu Lys Thr His Trp Phe Gly Thr Leu Asn Ser Phe Pro Thr  
183 1 5 10 15  
184 His Trp Met Ser Ala Val Gly Asn Gly Lys Ile Asp Cys Ser Phe Asn  
185 20 25 30  
186 Met Asn Leu Ser Leu Asn His Trp Leu Ser Ser Gly His Pro Asp Gly  
187 35 40 45  
188 Ala Leu Asp Asp Gln Leu His Pro Gln Gly Asp Ala Leu Val Gly Arg  
189 50 55 60  
190 Asp Asp Gly Val Val Gln Ala Leu Arg Leu Glu Gly Gln His Gln His  
191 65 70 75 80  
192 Arg Arg Leu Ala Gln Arg Arg Ala Asp Arg His Arg Gln Leu Val Trp  
193 85 90 95  
194 Arg Leu Pro Pro Ser  
195 100  
198 <210> SEQ ID NO: 8  
199 <211> LENGTH: 102  
200 <212> TYPE: PRT  
201 <213> ORGANISM: Artificial Sequence  
203 <220> FEATURE:  
204 <223> OTHER INFORMATION: selected peptide  
206 <400> SEQUENCE: 8  
207 Met Asp Glu Lys Thr His Cys Thr Ile Glu Leu Asn Phe Ser Phe Thr  
208 1 5 10 15  
209 His Trp Lys Leu His His Pro Gln Gly Asp Ala Leu Leu Asp Asp  
210 20 25 30  
211 Gly Val Arg Pro His His Pro Leu Ala Asp Glu Gly Gly Leu Asp  
212 35 40 45  
213 Gln Gly Leu Gly His Arg Arg Gly Val Val Ala Glu Arg Leu Ala Arg  
214 50 55 60  
215 Arg Asp Pro Glu Val Leu Glu Gly Leu Val Glu Arg His Arg Gly Leu  
216 65 70 75 80  
217 Val Pro Arg Leu Arg His Gly Gly Glu Arg His Ala Glu Pro Leu Val  
218 85 90 95  
219 Trp Arg Leu Pro Pro Ser  
220 100  
223 <210> SEQ ID NO: 9  
224 <211> LENGTH: 102  
225 <212> TYPE: PRT  
226 <213> ORGANISM: Artificial Sequence  
228 <220> FEATURE:  
229 <223> OTHER INFORMATION: selected peptide  
231 <400> SEQUENCE: 9  
232 Met Asp Glu Lys Thr His Cys Asn Thr Gly Leu Tyr Asp Gly Ala Ala  
233 1 5 10 15  
234 Asp Cys Phe Asn Glu Leu Asn Lys Asp Val Ala Pro Leu Val Glu Gly

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235 20 25 30  
 236 Arg His Asp Leu Val Glu Gly Leu Leu Leu Glu Arg His Pro Gln Gly  
 237 35 40 45  
 238 Asp Pro Leu Val Ala His Arg Gln Leu Val His His Pro Leu Leu Gly  
 239 50 55 60  
 240 Arg Gly Glu Arg His Arg Arg Ala Leu Val Pro Gln Gln Glu His Gln  
 241 65 70 75 80  
 242 Pro His Arg Leu Gln Pro Val Val Asp Leu Gly Arg Arg Arg Leu Val  
 243 85 90 95  
 244 Trp Arg Leu Pro Pro Ser  
 245 100  
 248 <210> SEQ ID NO: 10  
 249 <211> LENGTH: 103  
 250 <212> TYPE: PRT  
 251 <213> ORGANISM: Artificial Sequence  
 253 <220> FEATURE:  
 254 <223> OTHER INFORMATION: selected peptide  
 256 <400> SEQUENCE: 10  
 257 Met Asp Glu Lys Thr His Trp His Glu Arg Ala Gln Glu Leu Val Gly  
 258 1 5 10 15  
 259 Gly Leu Leu Leu His Asp His Pro Gln Arg Leu Leu Leu Glu Pro Arg  
 260 20 25 30  
 261 Gly Pro Arg Pro Leu Arg Gly Leu Val His Glu Arg Gly His Gln Pro  
 262 35 40 45  
 263 Gln Pro Leu Ala Gly Arg Val Glu Glu Ala Asp Gly Gly Leu Leu Arg  
 264 50 55 60  
 265 Asp Gly Gly Glu Leu Glu Pro Leu Val Arg Glu Gly Glu Asp His  
 266 65 70 75 80  
 267 Leu Glu Pro Leu Asp Asp Glu Leu Asp Ala Gly Pro Arg Gly Leu Val  
 268 85 90 95  
 269 Trp Arg Leu Pro His His His  
 270 100  
 273 <210> SEQ ID NO: 11  
 274 <211> LENGTH: 102  
 275 <212> TYPE: PRT  
 276 <213> ORGANISM: Artificial Sequence  
 278 <220> FEATURE:  
 279 <223> OTHER INFORMATION: selected peptide  
 281 <400> SEQUENCE: 11  
 282 Met Asp Glu Lys Thr His Trp His Glu Arg Val His His Leu Ala Asp  
 283 1 5 10 15  
 284 Gly Leu Glu Gln His Pro Gln Gly Gln Arg Arg Pro Leu Val Glu Arg  
 285 20 25 30  
 286 His Arg Gln Val Pro Arg Gly Leu Val Arg Glu Leu Gln His Glu Gly  
 287 35 40 45  
 288 Leu Pro Leu Glu His Pro Ala Gly Val His Val Ile Arg Leu His Gln  
 289 50 55 60  
 290 Gly Asp Asp Arg Asp Val Asp Gly Leu Val Asp Gly His Gly Arg Asp  
 291 65 70 75 80

VERIFICATION SUMMARY

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